

CENTRAL INTELLIGENCE AGENCY REPORT

## INFORMATION REPORT

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SUPPLEMENT TO  
REPORT NO.

COUNTRY Germany (Russian Zone)

**CONFIDENTIAL**SUBJECT Aerodynamic Research Carried Out in  
Berlin under Dr. LangePLACE  
ACQUIRED

DATE OF INFO

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1. Research is being conducted on the following aerodynamic training devices in the office of Dr. Lange (former chief of the Deutsche Versuchsanstalt für Luftfahrt):

## Junkers turbines

Derwent turbines  
Walter devices  
Smoke wind channel  
Formation-flying instruments  
Series gauges  
Resistance compressors for wind channels  
Wind channel (Wind current producer)  
Two-component balances  
Propeller-thrust measuring instruments

2. The office of Dr. Lange, located at Trättschlerstrasse 3/4 in Berlin-Johannisthal, has been given full authority by the SMA to develop the equipment listed above. This office, which employs approximately 35 persons (technicians and builders), is directed by Dr. Lange. The expenses for personnel are entirely covered by the Soviets who pay high salaries and make large quantities of food available to those employed in this office.
3. Several of the aerodynamic training models made in the offices of Dr. Lange could not be mass-produced. Modifications in construction had to be made. At the outset each model had to be made in 5 copies which were sent to Moscow for testing. The Moscow technicians limited themselves to several changes in extraneous details, and the "Industrie Werke Sachsen-Anhalt" received an order for 550 samples. (Orders for each series customarily call for 550 pieces.)
4. It is probable that Dr. Lange developed the scale for the measurement of two components up to six components. On 10 January 1948 the plans of the latter were drawn and the I.W. Sachsen-Anhalt were to make copies of them also.
5. The instrument for the measurement of the thrust developed by helicopters was completed for the simultaneous measurement of thrust and traction. The Russians delivered the manufacturing license, and an order for 560 pieces was given to the Industrie Werke.

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6. Besides the development of small-scale airplanes (known as the "M" series),<sup>as</sup> the offices of Dr. Lange also developed optical apparatus, designated by the letter "I".
7. The apparatuses of the "I" series are built by the state-owned enterprises of Thuringia on order of the SMA Technical Office No. 16. Several mechanical workshops of Suhl, Erfurt and Mulhausen have been entrusted with the filling of orders. The Zeiss-Jena workshops are assigned to build 550 radar sets.<sup>as</sup> Zeiss also manufactures apparatuses for blind landing for Office No. 16.
8. The offices of Dr. Lange contain the groups doing research on bombs and shells. The experimental laboratories are in the basements of Trätzscherstr. 3/4 in Johannistal. Dr. Lange takes part in these experiments personally.<sup>at</sup>

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